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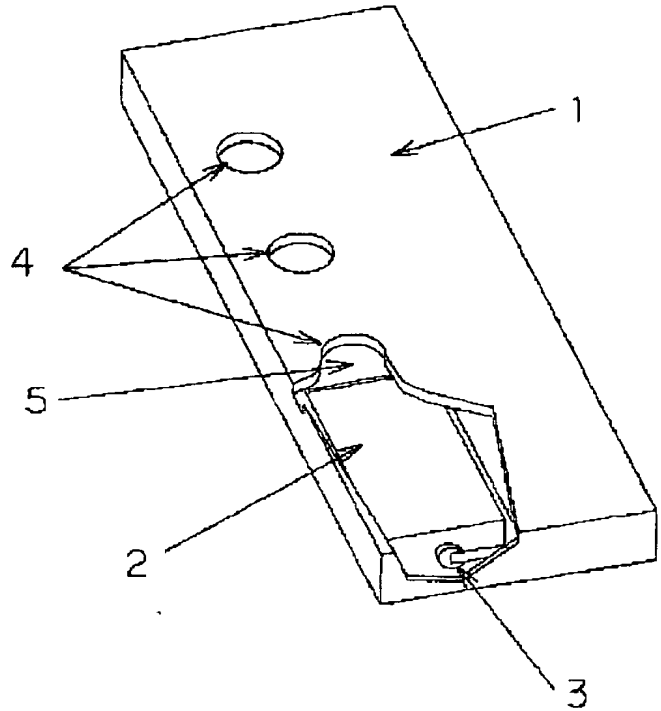
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APPLICANT : JAPAN STORAGE BATTERY CO LTD;

INVENTOR : MURATA TOSHIO;

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TITLE : BATTERY PACK



**ABSTRACT :** **PURPOSE:** To make waterproof and drip-proof and prevent the accumulation of an inside gas when a safety valve of a unit cell is operated by partitioning a through hole between the inside of a container and the outside with a water repellent porous film having air permeability.

**CONSTITUTION:** A plurality of sealed unit cells 2 each having a resealable safety valve 3 are housed in a container 1 made of synthetic resin. A water repellent porous film 5 having air permeability is stuck to a plurality of through holes 4 from the back side of the container 1 to partition the inside from the outside. The film 5 is formed, for example, by lining a polytetrafluoroethylene porous film having numerous micropores with a polyolefin nonwoven fabric. A polymer or metallic porous film carried with water-repellent carbon fluoride is also preferable, and the porous film is preferably reinforced by laminating various types of nonwoven fabric, woven fabric, net, or molding. By this constitution, the volume is made compact and cost is reduced compared with a method using a safety valve in the container 1.

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